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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known Application Number 10/749,903 Filing Date December 29, 2003 First Named Inventor Sadri, Ali Group Art Unit 2661 Examiner Name Unknown	
Sheet 1 of 2		Attorney Docket No: 884.B53US1	

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
/PN/	US-2003/0043732 A1	03/06/2003	Walton, J. R., et al.	06/26/2001
/PN/	US-2004/0258174 A1	12/23/2004	Shao, L., et al.	02/26/2004
/PN/	US-2005/0031047 A1	02/10/2005	Maltsev, A. A., et al.	12/16/2003

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
/PN/	EP-1411647A2	04/21/2004	Liu, J.-T., et al.	
↓	GB-2384651	07/30/2003	Matsuoka, H., et al.	
	WO-03/047198A2	06/05/2003	Kadous, T., et al.	
/PN/	WO-2004/047354A1	06/03/2004	Jorswieck, E.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/PN/		"International Search Report for corresponding PCT Application No. PCT/US2004/043056", (Attorney Docket No. 884.B53WO1), (April 1, 2005), 4 pgs.	
		"Supplement to IEEE Standard for Information Technology- Telecommunications and Information Exchange Between Systems- Local and Metropolitan Area Networks - Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY)", <u>IEEE STD 802.11A-1999</u> , (Dec. 30, 1999), 90 pgs.	
		BANGERTER, B., et al., "High-Throughput Wireless LAN Air Interface", <u>Intel Technology Journal</u> , 7 (3), http://developer.intel.com/technology/itj/index.htm , August 19, 2003), 47-57	
		CHOI, BYOUNGJO, et al., "Optimum Mode-Switching-Assisted Constant-Power Single- and Multicarrier Adaptive Modulation", <u>IEEE Transactions on Vehicular Technology</u> , 52(3), (May, 2003), 536-560	
		DAMMANN, A., et al., "Transmit/Receive - Antenna - Diversity Techniques For OFDM Systems", <u>European Transactions on Telecommunications</u> , 13 (5), (September, 2002), 531-538	
/PN/		FUJINO, Y., et al., "Transmitter With Antenna Array For MC-CDMA Forward Link", <u>IEEE Antennas and Propagation Society International Symposium</u> , (June 22, 2003), 847-850	

EXAMINER

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DATE CONSIDERED

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached

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/PN/		HUTTER, A. A., et al., "Effects of Fading Correlation on Multiple Antenna Reception Mobile OFDM Systems", <u>IEEE Vehicular Technology Conference</u> , (September 24, 2000), 2744-2749	
		SANDHU, S., et al., "Analog Combining of Multiple Receive Antennas With OFDM", <u>IEEE International Conference on Communications</u> , (May 11, 2003), 3428-3432	
		SIMOENS, S., et al., "Optimum Performance of Link Adaptation in HIPERLAN/2 Networks", <u>VTC 2001 Spring. IEEE VTS 53rd Vehicular Technology Conference</u> , 2001, Volume 2 of 4, (May 6-9, 2001), 1129-1133	
		SLIMANE, B. S., "A Low Complexity Antenna Diversity Receiver For OFDM Based Systems", <u>IEEE International Conference on Communications</u> , (June 6, 2001), 1147-1151	
		TIAN, Q., et al., "The Performance of Multi-Carrier CDMA with Base Station Antenna Arrays in Fading Channels", <u>Vehicular Technology Conference</u> , (May 15, 2000), 1498-1502	
		YIH, C.-H., et al., "Adaptive Modulation, Power Allocation and Control for OFDM Wireless Networks", <u>Personal, Indoor and Mobile Radio Communication</u> , 2, (2000), 809-813	
↓		YUAN, H., et al., "An Adaptive Array Antenna with Path Selection of OFDM Signal", <u>European Personal Mobile Communications Conference</u> , (April 22, 2003), 412-416	
/PN/		ZHEN, L., et al., "A Modified Sub-Optimum Adaptive Bit and Power Allocation Algorithm in Wideband OFDM System", <u>CCECE 2003 Canadian Conf. on Electrical and Computer Engineering</u> , Vol. 3 of 3, (May 4, 2003), 1589-1592	

EXAMINER

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12/17/2007

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US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
/PN/	US-2003/0083703A1	05/01/2003	Zhu, Q., et al.	10/25/2001
	US-2003/0204210A1	10/30/2003	Ousdigian, K. T., et al.	04/30/2002
↓	US-2003/0208241A1	11/06/2003	Bradley, K., et al.	05/02/2002
↓	US-2005/0152465A1	07/14/2005	Maltsev, A. A., et al.	03/30/2004
↓	US-2005/0152466A1	07/14/2005	Maltsev, A. A., et al.	06/07/2004
/PN/	US-6,430,441	08/06/2002	Levine, P. A.	01/18/2000

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
/PN/	EP-1240918A2	09/18/2002	Mouchawar, G. A., et al.	
/PN/	WO-2005/067171A1	07/21/2005	Sadri, A., et al.	
/PN/	WO-2005/071912A1	08/04/2005	Maltsev, A. S., et al.	

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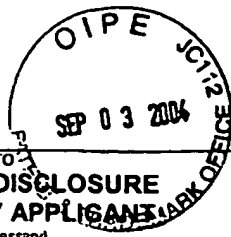
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/PN/		ABDUL AZIZ, M. K., et al., "Indoor throughput and range improvements using standard compliant AP antenna diversity in IEEE 802.11a and ETSI HIPERLAN/2", VTC 2001 Fall. IEEE VTS 54th Vehicular Technology Conference, 2001, Volume 4, (October 7-11, 2001), 2294-2298	
/PN/		CIOFFI, JOHN M., "Lectures on Digital Communications", Stanford University, Available from http://www.stanford.edu/class/ee379c/ , (2001), 278-314	
/PN/		LEKE, A , et al., "A maximum rate loading algorithm for discrete multitone modulation systems", GLOBECOM '97, Global Telecommunications Conference, 1997, Volume 3, (November 8, 1997), 1514-1518	

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